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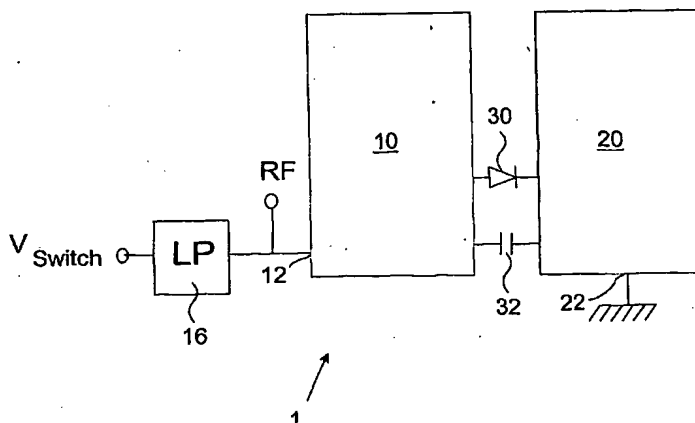
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[Continued on next page]

(54) Title: ANTENNA DEVICE AND PORTABLE RADIO COMMUNICATION DEVICE COMPRISING SUCH AN ANTENNA DEVICE



(57) Abstract: An antenna device for a portable radio communication device operable in at least a first and a second frequency band, and comprising a first electrically conductive planar radiating element (10) having a feeding portion (12) connectable to a feed device (RF) of the radio communication device, and a second electrically conductive planar radiating element (20) having a grounding portion connectable to ground. A controllable switch (30) is arranged between the first and second radiating elements for selectively interconnecting and disconnecting the radiating elements, wherein the state of the switch being controlled by means of a control voltage input (VSwitch). A first filter (16) is arranged between the feeding portion and the control voltage input, wherein the first filter is arranged to block radio frequency signals. By providing a high pass filter (32) between the first and second generally planar radiating elements provided above a ground plane, quad-band operation is provided with high efficiency in a physically small antenna device.

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